

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	("20050284967"   "6250572").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:18
S2	516	239/558	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:24
S3	1198	239/548	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:25
S4	381	239/557	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:26
S5	226	239/555	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:26
S6	30	("4241878"   "5172862"   "5228625"   "5405089"   "5702057"   "5730361"   "5850974").PN. OR ("2005/0284967"   "6250572").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/02 09:27
S7	746	("0203094"   "0204333"   "0309349"   "0428023"   "0445250"   "0486986"   "0566384"   "0566410"   "0570405"   "0694888"   "0757791"   "0800802"   "0816924"   "0832523"   "0835678"   "0854094"   "0926929"   "1001842"   "1003037"   "1018143"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/02 09:31

"1046573"	
"1203466"   "1217254"	
"1218895"	
"1255577"   "1260181"	
"1276117"	
"1284099"   "1327428"	
"1451800"	
"1459582"   "1469528"	
"1500921"	
"1560789"   "1597477"	
"1633531"	
"1692394"   "1695263"	
"1724147"	
"1724161"   "1736160"	
"1754127"	
"1758115"   "1778658"	
"1821274"	
"1890156"   "1906575"	
"20030034405"	
"20040074993"	
"20040195381"	
"20050061896"	
"20050082824"	
"2011446"   "2024930"	
"2044445"	
"2117152"   "2196783"	
"2196793"	
"2197667"   "2216149"	
"2251192"	
"2268263"   "2342757"	
"2402741"	
"2467954"   "2546348"	
"2567642"	
"2581129"   "2648762"	
"2664271"	
"2671693"   "2676806"	
"2679575"	
"2680358"   "2726120"	
"2759765"	
"2776168"   "2873999"	
"2931672"	
"2935265"   "2966311"	
"3007648"	
"3032357"   "3034809"	
"3037799"	
"3092333"   "3098508"	
"3103723"	
"3104827"   "3111277"	
"3143857"	
"3196463"   "3239152"	
"3266059"	
"3306634"   "3329967"	
"3341132"	
"3342419"   "3344994"	
"3383051"	
"3389925"   "3393311"	

"3393312"	
"3404410"   "3456961"	
"3492029"	
"3516611"   "3546961"	
"3550863"	
"3565116"   "3584822"	
"3596835"	
"3612577"   "3641333"	
"3663044"	
"3669470"   "3682392"	
"3685745"	
"3711029"   "3722798"	
"3722799"	
"3731084"   "3754779").	
PN. OR ("3768735"	
"3786995"   "3801019"	
"3810580"	
"3826454"   "3860271"	
"3861719"	
"3865310"   "3869151"	
"3896845"	
"3902671"   "3910277"	
"3929164"	
"3958756"   "3967783"	
"3979096"	
"3998390"   "3999714"	
"4005880"	
"4006920"   "4023782"	
"4045054"	
"4068801"   "4081135"	
"4084271"	
"4091998"   "4117979"	
"4133486"	
"4141502"   "4151955"	
"4151957"	
"4162801"   "4165837"	
"4174822"	
"4185781"   "4190207"	
"4191332"	
"4203550"   "4209132"	
"4219160"	
"4221338"   "4243253"	
"4244526"	
"4254914"   "4258414"	
"4272022"	
"4274400"   "4282612"	
"4303201"	
"4319608"   "4330089"	
"4350298"	
"4353508"   "4383554"	
"4396797"	
"4398669"   "4425965"	
"4461052"	
"4465308"   "4467964"	
"4495550"	
"4527745"   "4540202"	

"4545081"	
"4553775"   "4561593"	
"4571003"	
"4587991"   "4588130"	
"4598866"	
"4614303"   "4618100"	
"4629124"	
"4629125"   "4643463"	
"4645244"	
"4650120"   "4650470"	
"4652025"	
"4657185"   "4669666"	
"4669757"	
"4674687"   "4683917"	
"4703893"	
"4719654"   "4733337"	
"4739801"	
"4754928"   "4778104"	
"4787591"	
"4790294"   "4801091"	
"4809369"	
"4839599"   "4842059"	
"4850616"	
"4856822"   "4865362"	
"4871196"	
"4901927"   "4903178"	
"4903897"	
"4903922"   "4907137"	
"4914759"	
"4946202"   "4951329"	
"4953585"	
"4964573"   "4972048"	
"5022103"	
"5032015"   "5033528"	
"5033897"	
"5046764"   "5070552"	
"5082019"	
"5086878"   "5090624"	
"5100055"	
"5103384"   "5134251"	
"5141016"	
"5143300").PN. OR	
("5145114"   "5153976"	
"5154355"	
"5154483"   "5163752"	
"5172860"	
"5172862"   "5172866"	
"5197767"	
"5201468"   "5213267"	
"5220697"	
"5228625"   "5232162"	
"5246169"	
"5246301"   "5254809"	
"5263646"	
"5265833"   "5268826"	
"5276596"	

"5277391"		"5286071"
	"5288110"	
"5294054"		"5297735"
	"5316216"	
"5333787"		"5340064"
	"5340165"	
"5344080"		"5349987"
	"5356077"	
"5368235"		"5369556"
	"5370427"	
"5385500"		"5397064"
	"5398872"	
"5398977"		"5402812"
	"5405089"	
"5423348"		"5433384"
	"5443321"	
"5449206"		"5454809"
	"5468057"	
"5476225"		"5481765"
	"5499767"	
"5507436"		"5517392"
	"5521803"	
"5531625"		"5551637"
	"5558278"	
"5560548"		"5567115"
	"5577664"	
"5613638"		"5613639"
	"5615837"	
"5624074"		"5624498"
	"5632049"	
"5653260"		"5653548"
	"5667146"	
"5669964"		"5699964"
	"5702057"	
"5704080"		"5718380"
	"5730361"	
"5730362"		"5730363"
	"5742961"	
"5746375"		"5749552"
	"5749602"	
"5765760"		"5769802"
	"5772120"	
"5778939"		"5788157"
	"5806771"	
"5819791"		"5820574"
	"5839666"	
"5855348"		"5860599"
	"5862543"	
"5862985"		"5865375"
	"5865378"	
"5918811"		"5937905"
	"5947388"	
"5992762"		"5997047"
	"6042027"	
"6042155"		"6095801"
	"6116524"	

"6123272" | "6126091"  
| "6145114" |  
"6154483" | "6164569"  
| "6164570" |  
"6230984" | "6230988"  
| "6230989" |  
"6250572" | "6254014"  
| "6270278" |  
"6276004" | "6325930"  
| "6454186" |  
"6464265" | "6533194"  
| "6641057" |  
"6739523" | "6742725").  
PN. OR ("6796518" |  
"6951286" | "D126433"  
| "D147258" |  
"D152584" | "D166073"  
| "D190295" |  
"D192935" | "D224834"  
| "D237708" |  
"D240322" | "D245858"  
| "D245860" |  
"D249356" | "D251045"  
| "D255626" |  
"D258677" | "D261300"  
| "D261417" |  
"D266212" | "D267582"  
| "D268442" |  
"D268611" | "D274457"  
| "D281820" |  
"D283645" | "D295437"  
| "D296582" |  
"D297160" | "D302325"  
| "D306351" |  
"D313267" | "D314246"  
| "D315191" |  
"D317348" | "D320064"  
| "D321062" |  
"D322119" | "D322681"  
| "D323545" |  
"D325769" | "D325770"  
| "D326311" |  
"D327729" | "D328944"  
| "D329504" |  
"D330068" | "D330408"  
| "D330409" |  
"D332303" | "D332994"  
| "D333339" |  
"D334794" | "D335171"  
| "D337839" |  
"D338542" | "D339492"  
| "D339627" |  
"D339848" | "D340376"  
| "D341007" |  
"D341191" | "D341220"  
| "D345811" |

"D346426" | "D346428"  
| "D346430" |  
"D346809" | "D347262"  
| "D347265" |  
"D348720" | "D349947"  
| "D350808" |  
"D352347" | "D352766"  
| "D355242" |  
"D355703" | "D356626"  
| "D361399" |  
"D361623" | "D363360"  
| "D364935" |  
"D365625" | "D365646"  
| "D366309" |  
"D366707" | "D366708"  
| "D366709" |  
"D366710" | "D366948"  
| "D367315" |  
"D367333" | "D367696"  
| "D367934" |  
"D368146" | "D368317"  
| "D368539" |  
"D368540" | "D368541"  
| "D368542" |  
"D369204" | "D369205"  
| "D369873" |  
"D369874" | "D369875"  
| "D370052" |  
"D370250" | "D370277"  
| "D370278" |  
"D370279" | "D370280"  
| "D370281" |  
"D370542" | "D370735"  
| "D370987" |  
"D370988" | "D371448"  
| "D371618" |  
"D371619" | "D371856"  
| "D372318" |  
"D372319" | "D372548"  
| "D372998" |  
"D373210").PN. OR  
("D373434" |  
"D373435" | "D373645"  
| "D373646" |  
"D373647" | "D373648"  
| "D373649" |  
"D373651" | "D373652"  
| "D374271" |  
"D374297" | "D374298"  
| "D374299" |  
"D374493" | "D374494"  
| "D374732" |  
"D374733" | "D375541"  
| "D376217" |  
"D376860" | "D376861"  
| "D376862" |

"D378401" | "D379212"  
| "D379404" |  
"D381405" | "D381737"  
| "D382936" |  
"D385332" | "D385333"  
| "D385334" |  
"D385616" | "D385947"  
| "D387230" |  
"D389558" | "D392369"  
| "D394490" |  
"D394899" | "D395074"  
| "D395075" |  
"D395142" | "D398370"  
| "D402350" |  
"D404116" | "D405502"  
| "D408893" |  
"D409276" | "D410276"  
| "D415247" |  
"D418200" | "D418902"  
| "D418903" |  
"D422053" | "D422336"  
| "D422337" |  
"D423083" | "D424160"  
| "D424161" |  
"D427661" | "D428110"  
| "D428125" |  
"D432624" | "D433096"  
| "D433097" |  
"D434109" | "D435889"  
| "D443025" |  
"D443029" | "D450370"  
| "D450805" |  
"D450806" | "D450807"  
| "D451169" |  
"D451170" | "D451171"  
| "D451172" |  
"D451583" | "D451980"  
| "D452553" |  
"D452725" | "D452897"  
| "D453370" |  
"D453551" | "D457937"  
| "D468800" |  
"D471953" | "D485887"  
| "D487498" |  
"D490498" | "D492007"  
| "D493208" |  
"D496987" | "D497974"  
| "D498514" |  
"D500121" | "D500547"  
| "D500549" |  
"D501242").PN. OR  
("6382531" | "6641057"  
| "7111798" |  
"7143897" | "D528631").  
URPN.



S8	5	S7 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:31
S9	1959	S2 or S3 or S4 or S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:33
S10	85	S9 and membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:33
S11	14	("3296066"   "3563852"   "3640843"   "3817689"   "3887428"   "3997634"   "4024016"   "5015335"   "5316383"   "5452955"   "5649822"). PN. OR ("6227696"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/02 09:34
S12	11	showerhead and membrane and nut and seal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 09:46
S13	1075	showerhead and screw	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 10:38
S14	228	S13 and nut	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 10:38
S15	97	shower\$6 and (connecting ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/06/02 10:45
S16	382	239/557	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/14 15:46

S17	227	239/555	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/14 15:46
S18	528	239/558	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:45
S19	1229	239/548	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:45
S20	382	239/557	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:45
S21	227	239/555	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:45
S22	2001	S18 or S19 or S20 or S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:45
S23	775	"I1" and shower	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:46
S24	182	S23 and seal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 08:46
S25	44	("0166212"   "D043894"   "D091825"   "D121293"   "D215092"   "D232939").PN. OR ("D297160").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 09:00
S26	7	("3547352"   "3958756"   "4588130"   "4629125"   "5918811"   "6612507").PN. OR ("7537175").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 09:00

S27	8	("D297160"   "D532076"   "D556855"   "D557763"   "D562937"   "D566228").PN. OR ("D593640").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 09:01
S28	25	("20050284967"   "5918811"   "6869030"   "7055767"   "D297160"   "D423083"   "D434109"   "D443025"   "D457598"   "D457937"   "D489793"   "D492006"   "D497974"   "D498514"   "D501243"   "D527440"   "D530780"   "D531262"   "D532076").PN. OR ("D566228").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 09:01
S29	11	("D297160"   "D507820"   "D508730"   "D509282"   "D511810"   "D512119").PN. OR ("D532076").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 09:02
S30	7	("3547352"   "3958756"   "4588130"   "4629125"   "5918811"   "6612507").PN. OR ("7537175").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 09:44
S31	3834	showerhead and thin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 10:03
S32	1144	showerhead and thin and seal	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 10:03
S33	23	("0757791"   "0816924"   "5172862"   "5228625"   "5246301"   "5405089"   "5443321"   "5730361"   "6116524"   "6250572").PN. OR ("6382531").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 10:25
S34	2472	(shower head) and seal	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 10:25
S35	886	S34 and nozzle	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/15 10:30
S36	100079	("239").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/12/15 10:31

S37	275	S35 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 10:32
-----	-----	-------------	---	-----	----	---------------------

**EAST Search History (I nterference)**

< This search history is empty >

**12/ 15/ 2009 2:37:46 PM**

**C:\ Documents and Settings\ jjonaitis\ My Documents\ EAST\ Workspaces\ Cases\ Shower Heads  
 \ 10597796.wsp**